ELSEVIER

Geoderma 90 (1999) 365–366

GEODERMA

Contents Volume 90, 1999

Publisher's Note 1

Research Papers

A rudimentary mechanistic model for soil production and landscape development
B. Minasny and A.B. McBratney 3

Chemical, mineralogical and (micro)morphological study of coarse fragments in Mediterranean Red Soils
J.M. Martín-García, G. Delgado, J.F. Párraga, E. Gámiz and R. Delgado 23

Effects of parent material on the chemical composition of soil drainage waters
I.C. Grieve 49

Quantification of pore size distribution and the movement of solutes through isolated soil blocks
L.K. Deeks, A.G. Williams, J.F. Dowd and D. Scholefield 65

An evaluation of a fragmentation fractal dimension technique to determine soil erodibility
M. Martínez-Mena, L.K. Deeks and A.G. Williams 87

Physico-chemical properties of the soil-saturation extracts: estimation from electrical conductivity
M. Simón and I. García 99

Effect of vegetation on chemical composition of H horizons in incipient podzols as characterized by ^{13}C NMR and pyrolysis-GC/MS
K.G.J. Nierop, P. Buurman and J.W. de Leeuw 111

Adsorption of brilliant blue FCF by soils
H. Ketelsen and S. Meyer-Windel 131

Oxidation of ethylene and methane in forest soils—effect of CO_2 and mineral nitrogen
E. Rigler and S. Zechmeister-Boltenstern 147

Book Reviews

Soil and Water Quality at Different Scales, edited by P.A. Finke, J. Bouma and M.R. Hoosbeek
J.D. Phillips 161

Handbook of Pedology: Soils–Vegetation–Environment, by Ph. Duchaufour
P.J. Loveland 163

Soils and Sediments—Mineralogy and Geochemistry, edited by H. Paquet and N. Clauer
M.F. Thomas 165

Research Papers

Development and use of a database of hydraulic properties of European soils
J.H.M. Wösten, A. Lilly, A. Nemes and C. Le Bas 169

Evaluation of different procedures to interpolate particle-size distributions to achieve compatibility within soil databases
A. Nemes, J.H.M. Wösten, A. Lilly and J.H. Oude Voshaar 187

The use of inverse modelling and dipwell data in the calibration and evaluation of a soil water simulation model
A. Lilly 203

The effect of preferential flow on the short and long-term spatial distribution of surface applied solutes in a structured soil
S. Chen, R.E. Franklin, V.L. Quisenberry and P. Dang 229

Phosphate sorption to matrix and fracture wall materials in a Glossaqualf
H.C.B. Hansen, M. Bergen Jensen and J. Magid 243
Role of zeolites in persistence of high altitude ferruginous Alfisols of the humid tropical Western Ghats, India
T. Bhattacharyya, D.K. Pal and P. Srivastava 263
Aggregation studied by laser diffraction in relation to plowing and liming in the Cerrado region in Brazil
R. Westerhof, P. Buurman, C. van Griethuysen, M. Ayarza, L. Vilela and W. Zech 277
Predicting soil classes with parameters derived from relief and geologic materials in a sandstone region of the Vosges mountains (Northeastern France)
A.L. Thomas, D. King, E. Dambrine, A. Couturier and J. Roque 291
X-ray computed tomography to quantify tree rooting spatial distributions
A. Pierret, Y. Capowiez, C.J. Moran and A. Kretzschmar 307
Biological influences on the morphology and micromorphology of selected Podzols (Spodosols) and Cambisols (Inceptisols) from the eastern United States and north-east Scotland
D.H. Phillips and E.A. FitzPatrick 327

Contents Volume 90, 1999 365